1 Identification of the substances/ mixture and of the company/ undertaking

1.1 Product Identifiers
Product Number: S003
Product Name: Borax Carmine (Grenacher's), Alcoholic
REACH Registration Number: This product is a mixture. Reach registration number is not available for this mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses
Laboratory Chemicals, Analytical Purpose, Biochemical Analysis
For InVitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet
Produced by: HiMedia Laboratories Private Limited
Address: 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086
India
Tel. No.: +91-22-2500 0970, +91-22-2500 1607
Fax No.: +91-22-2500 2468
Mail Id: info@himedialabs.com
Website: www.himedialabs.com

1.4 Emergency Tel. No.
Emergency Tel. No.: Please contact the regional HiMedia representation in your country

2 Hazards Identification

2.1 Classification of the substance or mixture
CLP Classification-Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Flammable liquids, (Category 3), H226
Acute toxicity, Oral, (Category 4), H302
Specific target organ toxicity, single exposure, (Category 1), H370
Reproductive toxicity, (Category 1A), H360
Reproductive toxicity, (Category 1B), H360

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008

Pictogram
Signal word: Danger
Hazard Statement(s)
H226 Flammable liquid and vapour
H302 Harmful if swallowed
H370 Causes damage to organs
H360 May damage fertility or the unborn child
Precautionary Statement(s)
2.3 Other Hazards
None

3 Composition/Information On Ingredients

3.2 Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borax Carmine</td>
<td>As Per EC Regulation 1272/2008 H360F;</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
</tr>
<tr>
<td></td>
<td>H360D</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>As Per EC Regulation 1272/2008 Flam. Liq. 2; Acute Tox.oral. 3; Acute Tox. dermal. 3; Acute Tox. inhal. 3; STOT SE 1 H225; H301; H311; H331; H370</td>
<td>&gt;=20 - &lt;=40%</td>
</tr>
</tbody>
</table>

CAS No. : 67-56-1
EC No. : 200-659-6
Index-No : 603-001-00-X

Refer Section 16 for complete statement of H codes & classification.

4 First Aid Measures

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash with plenty of soap and water. Consult a physician.

In case of eye contact
Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
No data available.
4.3 Indication of immediate medical attention and special treatment needed
No data available

5 Fire Fighting Measures
5.1 Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media
No data available.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Precautions for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information
No data available

6 Accidental Release Measures
6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Evacuate personnel to safe areas.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see Section 13.

7 Handling and Storage
7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended Storage Temperature : On receipt store between 10-30°C

7.3 Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8 Exposure Controls/Personal Protection
8.1 Control parameters
Components with workplace control parameters

8.2 Exposure controls
Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

**Personal protective equipment**

**Hygiene measure**
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

**Eye/face protection**
Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body protection**
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environment exposure controls**
Do not empty into drains.

---

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Violet coloured clear solution</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
</tbody>
</table>
9.2 Other safety information
No data available

10 Stability and Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
No data available

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Refer Section 5.2

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available

Specific target organ toxicity- single exposure
No data available

Aspiration hazard
No data available

Potential Health Effects

Inhalation
REFER SECTION 2

Skin
REFER SECTION 2

Eyes
REFER SECTION 2

Ingestion
11.2 Components

**Borax carmine**

*Acute oral toxicity*
No data available

*Acute inhalation toxicity*
No data available

*Acute dermal toxicity*
No data available

*Skin irritation*
No data available

*Eye irritation*
No data available

*Sensitisation*
No data available

*Ames test*
No data available

*Mutagenicity (mammal cell test)*
No data available

*Carcinogenicity*
No data available

*Toxicity to Reproduction*
No data available

*Teratogenicity*
No data available

**Additional information:**
RTCES: No data available

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**Methanol**

*Acute Oral Toxicity*
Rat LD50: 5600 mg/kg
Rabbit LD50: 14200 mg/kg

*Acute Dermal Toxicity*
Rabbit LD50: 15800 mg/kg

*Acute Inhalation Toxicity*
Rabbit LC50: 81000 mg/m
Rat LC50: 64000 ppm/4h

*Eye Damage/Irritation*
Moderate eye irritant.

*Skin Corrosion/Irritation*
Not considered to be an irritant.

*Sensitization*
Not considered to be a sensitizer.
**Chronic Toxicity and Carcinogenicity**
Not listed by IARC, NTP, ACGIH OR OSHA as a carcinogen.

**Reproductive Toxicity**
Not considered to be reproductive toxin.

**Mutagenicity**
There is insufficient information available to conclude that methanol is mutagenic.

---

### 12 Ecological Information

#### 12.1 Toxicity
No data available

**Components:**
- **Borax carmine**
  **Toxicity**
  No data available

**Components:**
- **Methanol**
  **Toxicity to fish**
  Fish LC50: 15400-29400 mg/l, 96h
  **Toxicity to Daphnia**
  Daphnia magna EC50: 10000 mg/l, 48h
  **Toxicity to Algae**
  Algae EC50: 22000 mg/l, 72h

#### 12.2 Persistence and degradability
No data available

#### 12.3 Bioaccumulative potential
No data available

#### 12.4 Mobility in soil
No data available

#### 12.5 PBT and vPvB assessment
This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) at levels of 0.1% or higher.

#### 12.6 Other adverse effects
Discharge into the environment must be avoided.

---

### 13 Disposal Considerations

#### 13.1 Waste treatments methods
**Product**
Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.

**Contaminated packaging**
Dispose of as unused product.
14  Transport Information

14.1  UN-No

14.2  UN proper shipping name
ADNR : Methanol
ADR : Methanol
IATA_C : Methanol
IATA_P : Methanol
IMDG : Methanol
RID : Methanol

14.3  Transport hazard class(es)
ADNR : 3  ADR : 3  IATA_C : 3  IATA_P : 3  IMDG : 3  RID : 3

14.4  Packaging group
ADNR : II  ADR : II  IATA_C : II  IATA_P : II  IMDG : II  RID : II

14.5  Environmental hazards
ADNR : NO  ADR : NO  IMDG : Marine pollutant: NO  IATA_C : NO  IATA_P : NO  RID : NO

14.6  Special precautions for use
No data available

15  Regulatory Information
This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.

15.1  Safety health and environment regulations/legislation specific for the substance or mixture
No data available

15.2  Chemical Safety Assessment
No data available

16  Other information
Text of H codes and classification mentioned in section 3
H225  Highly flammable liquid and vapour
H301  Toxic if swallowed
H311  Toxic in contact with skin
H331  Toxic if inhaled
H360D  May damage the unborn child
H360F  May damage fertility
H370  Causes damage to organs
Acute Tox. dermal. 3  Acute toxicity, dermal, Category 3
Acute Tox. inhal. 3  Acute toxicity, inhaled, Category 3
Acute Tox. oral. 3  Acute toxicity, oral, Category 3
Flam. Liq. 2  Flammable liquids, Category 2
STOT SE 1  Specific target organ toxicity, single exposure, Category 1

Further Information
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